Mosquitoes in Bellflower: What you need to know

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Greater Los Angeles County Vector Control District
Why Care About Mosquitoes?

World’s Deadliest Animal - Cause over 700,000 human deaths

Mosquito-borne diseases like West Nile virus, Dengue virus, etc.

Potential for outbreaks in your community
What We Do: Integrated Vector Management (IVM)

Disease Surveillance
- Mosquito populations
- Virus Activity

Mosquito Management
- Inspection & service requests
- Source reduction & treatments

Education & Outreach
- Community events
- Elementary education
What We Do:
Integrated Vector Management (IVM)

- Rivers
- River Channels
- UG Storm Drains
- Street Gutters
- Green Pools
- Property Inspections
- Mosquito Traps
- Mosquito Identification
Services provided to City of Bellflower from 2022 – 2023 so far:

<table>
<thead>
<tr>
<th>Service Type</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential / Public Inspections</td>
<td>1905</td>
</tr>
<tr>
<td>Swimming Pools</td>
<td>440</td>
</tr>
<tr>
<td>Service Requests</td>
<td>39</td>
</tr>
<tr>
<td>Underground Storm Drains</td>
<td>2,575</td>
</tr>
</tbody>
</table>

### Detailed Inspection Counts

#### Residential / Public Inspections

<table>
<thead>
<tr>
<th>Source Type</th>
<th>Inspection Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATCH BASINS</td>
<td>44</td>
</tr>
<tr>
<td>DITCHES</td>
<td>53</td>
</tr>
<tr>
<td>DRAINS</td>
<td>497</td>
</tr>
<tr>
<td>FCC</td>
<td>34</td>
</tr>
<tr>
<td>FWY DRAINS</td>
<td>103</td>
</tr>
<tr>
<td>GUTTERS</td>
<td>72</td>
</tr>
<tr>
<td>MISC RES SRCS</td>
<td>419</td>
</tr>
<tr>
<td>OUTFALLS</td>
<td>277</td>
</tr>
<tr>
<td>PONDED WATER</td>
<td>25</td>
</tr>
<tr>
<td>Ponds</td>
<td>1</td>
</tr>
<tr>
<td>RIVER</td>
<td>31</td>
</tr>
<tr>
<td>STANDING WATER</td>
<td>25</td>
</tr>
<tr>
<td>Sumps</td>
<td>303</td>
</tr>
<tr>
<td>UTILITY VAULT</td>
<td>21</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1905</strong></td>
</tr>
</tbody>
</table>

#### Swimming Pools

- dobboy: 9
- FOUNTAIN: 15
- ORNPD: 75
- SPA: 23
- SWPL: 318
- **Total Pool Inspections**: 440

#### Service Requests

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#### Underground Storm Drains

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Mosquito Life Cycle

- After a female mosquito bites us, she will look for standing water
- Mosquitoes develop in WATER

- Lay 100-350 eggs
- 4 life stages
- 5-7 days from egg to adult
**Culex mosquitoes**

- **Dawn & Dusk** biters
- Prefer **larger water sources** like green pools, fountains, and ponds
- **West Nile Virus**
  - St. Louis encephalitis
  - Western equine encephalitis

**Aedes mosquitoes**

- **Aggressive daytime** biters
- Prefer **small containers** like plant saucers, old tires, buckets, etc.
- **Zika**
- Dengue
- Chikungunya
- Yellow Fever
- Canine Heartworm

*Infected travelers can bring these viruses to Los Angeles County*

*No Local Transmission*
In California:

2023 WNV+ Mosquitoes: 31
2023 WNV+ Human Cases: 0*
2022 WNV + Mosquitoes: 3,165
2022 WNV + Human Cases: 211
2021 WNV+ Mosquitoes: 2,263
2021 WNV+ Human Cases: 12*

In GLACVCD:

2023 WNV + Mosquito: 1
2022 WNV + Mosquito: 372
2021 WNV+ Mosquitoes: 68
2020 WNV+ Mosquitoes: 313

In Bellflower:

2022 WNV + Mosquitoes: 8
2021 WNV+ Mosquitoes: 5
2020 WNV+ Mosquitoes: 8

*CA statistics: www.Westnile.ca.gov

West Nile Virus is everywhere in LA County.
Challenges of Invasive Aedes

• Have rapidly spread throughout California.
• Found in every city in LA County
• Prefer smaller water sources, making them harder to control
• They lay their eggs in water sources in people’s front yards, backyards, and patios
  • Areas where mosquito control agencies can’t easily inspect
Impacts of Aedes

- Impact the quality of life and how residents spend time outdoors
- Increase the risk of additional mosquito diseases entering the county
  - Zika
  - Dengue
  - Chikungunya
  - Yellow Fever
  - Dog heartworm
GET RID OF STANDING WATER AROUND YOUR HOME

• Once a week – empty and scrub, turn over, cover or throw out any items that hold water.

• **Tip and Toss** any standing water (indoors and outdoors)

• **REMOVE, SCRUB, FLIP OVER, or COVER** any dirty containers that can hold water

• **Drill** a hole at the bottom of open containers
Do-it-Yourself Solutions for Mosquito Problems

Reduce mosquito breeding on your property by eliminating common sources.

www.TipTossTakeAction.org

Download this Checklist

POTENTIAL MOSQUITO SOURCES IN YOUR HOME

The best method to reduce breeding on your property is to limit the number of potential sources. Invest around and inside your home for potential breeding sources. If standing water is found, remove this source. If the source is not removed, it may cause breeding. For more information on potential sources, visit www.TipTossTakeAction.org.
Service Requests

- Anyone can submit a Service Request
  - Online – GLAmosquito.org
  - Phone – (562)944-9656

- Report unmaintained swimming pools
WEAR INSECT REPELLENT

Use EPA-approved and CDC-recommended Repellent; look for the following active ingredients:

• DEET® (20% OR HIGHER)
• Picaridin
• IR3535
• Oil of Lemon Eucalyptus*

Wearing insect repellent is the best way to prevent bites, even for children and pregnant women.

* Apply to children over 3 years old

Pro Tip: Mosquito Edition

The percentage of the main ingredient in an insect repellent tells you how long the repellent will
What do birds have to do with the West Nile virus? Some birds infected with WNV may become sick and die, making them good indicators of where WNV is active. If you find a dead bird, call 1-877-WNV-BIRD. Learn More about WNV: bit.ly/GLAmosquito NationalMosquitoWeek

Spanish Captions: ¿Qué tienen que ver las aves con el virus del Nilo Occidental? Algunas aves infectadas con VNO pueden enfermarse y morir, lo que las convierte en buenos indicadores de dónde está activo el VNO. S... See more

Thank you for your continued support and partnership!
Thank you!

Greater Los Angeles County Vector Control District

WEBSITE
www.GLAmosquito.org

SERVICE REQUEST
562-944-9656

SOCIAL MEDIA
@GLAmosquito

MARITZA OLMOS / Operations Manager / molmos@GLAmosquito.org